

***LineUp With Math™* Alignment**  
**Elementary Mathematics Core Content for Assessment**  
**version 4.0 October 2005**

**Number Properties and Operations**

***Estimation***

**Content Statement**

**MA-05-1.2.1**

**Students will apply and describe appropriate strategies for estimating quantities of objects and computational results in real-world situations.**

**DOK - 2**

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.

**Measurement**

***Measuring Physical Attributes***

**Content Statement**

**MA-05-2.1.1**

**Students will apply standard units to measure:**

- **Weight (ounce, pound; gram, kilogram);**
- **Length (nearest eighth-of-an-inch or nearest centimeter);**
- **Perimeter;**
- **Area (figures that can divided into rectangular shapes);**
- **Time (nearest minute);**
- **Temperature (Fahrenheit and Celsius); and**
- **Angles (nearest degree).**

**DOK - 3**

***LineUp With Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

**MA-05-2.1.1b**

*Students will use measurements to identify, describe, sort, and compare attributes of objects and apply these to solve real-world and/or mathematical problems.*

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

**MA-05-2.1.2**

**Students will estimate weight, length, perimeter, area, angles, and time using appropriate units of measurement.**

**DOK - 2**

--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.

## ***Systems of Measurement***

### **Content Statement**

#### **MA-05-2.2.2**

**Students will convert units within the same measurement system [U.S. customary (inches, feet, yards, miles; ounces, pounds, tons), metric (millimeters, centimeters, meters, kilometers; grams, kilograms), money, or time (seconds, minutes, hours)], and determine elapsed time.**

**DOK - 2**

### ***LineUp With Math™ Activities***

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.